



SWEN90016

Software Processes & Project Management

SDLC Process
Agile Project Management



Today's aim

Create Teams for Assignment 2

- Make sure your tutor knows!



Today's aim

Explore Agile
Project Management
& SDLC

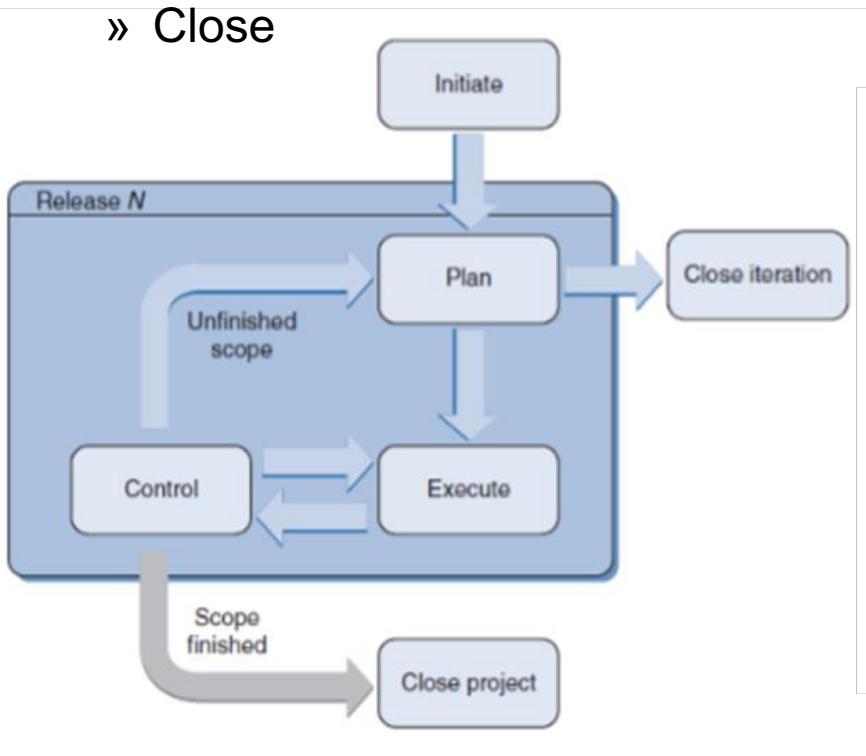
Create Teams



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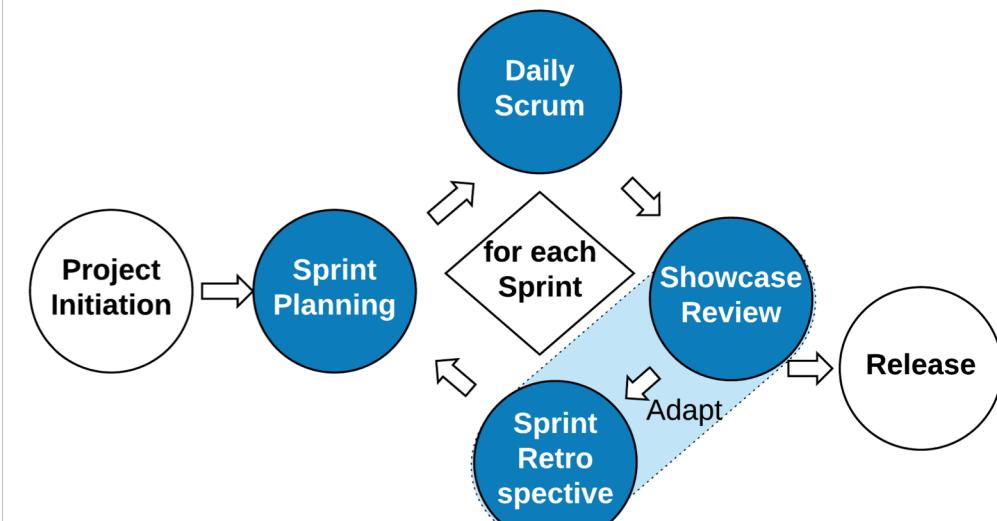
Formal (Waterfall) PM Stages:

- » Initiation
- » Plan
- » Execute
- » Monitor & Control
- » Close



Agile Scrum PM Stages:

- » Initiation
- » Sprint Plan
- » Sprint
- » **Adapt:** Review & Retrospective
- » Release





Consider Trello tool to implement Visual Board.

The image shows a screenshot of the Trello 'Welcome Board'. The board is organized into four columns: 'to do', 'doing', 'reviewing', and 'done'. Each column contains several cards with various descriptions and attachments. A large, friendly husky dog icon serves as the background for the board. On the left side, there's a sidebar with instructions on how to use Trello features like attachments, hyperlinks, and checklists.

- to do**:
 - Welcome to Trello! (0/3)
 - This is a card. (0.5)
 - Click on a card to see what's behind it. (0.5)
 - You can attach pictures and files... (1)
 - ... any kind of hyperlink ... (2)
 - ... or checklists. (0/3)
- doing**:
 - Invite your team to this board using the Add Members button (3)
 - Drag people onto a card to indicate that they're responsible for it. (3)
 - Use color-coded labels for organization (2)
 - You can change the board background. (8)
 - Make as many lists as you need! (2)
 - Try dragging cards anywhere. (1)
- reviewing**:
 - Use as many boards as you want! (3)
 - Want tips, usage examples, or API info? (2)
 - Want to use keyboard shortcuts? We have them! (0.5)
 - Want updates on new features? (3)
 - Need help? (5)
 - Finished with a card? Archive it. (2)
- done**:
 - Get the apps for iOS, Android, and Windows! (5)
 - Add a card...

<https://trello.com/b/pXMSk97J/welcome-board>



Quiz

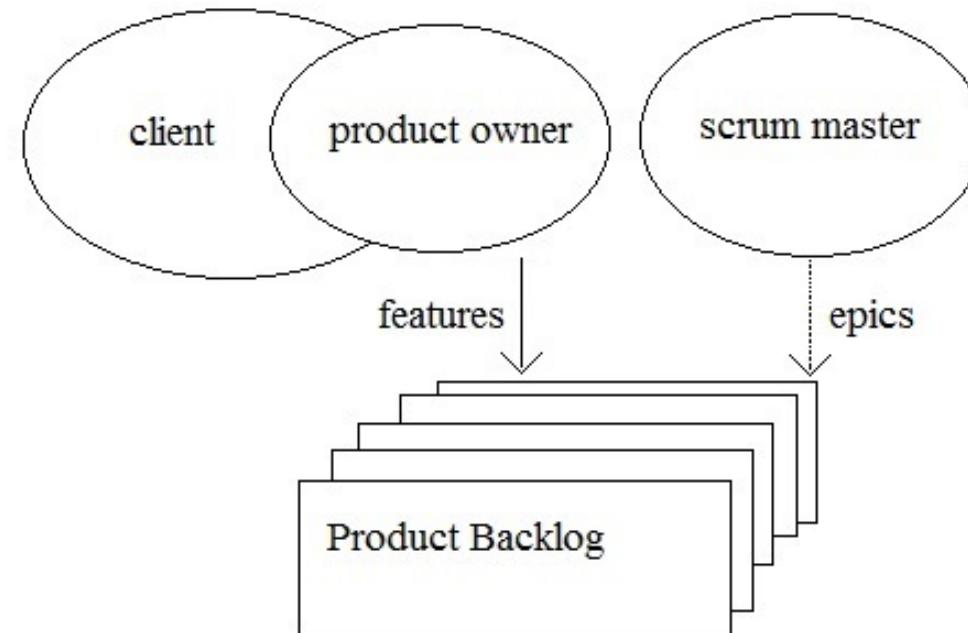
Quiz Questions

Discuss in groups the following 16 questions
Record your answers in the sheet.

The share your answers with the class



1. Who is responsible for identifying the product's features?





2. Where does Scrum express the produce's **scope**?





3. How does Scrum express the product features?



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4. How does Scrum envisage the cost, the *date* and *what features* the ***product*** will ***deliver*** ?



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Product **Milestones** indicate a significant feature set.

5. How does Scrum express Product Milestones?



1. Consider these User Stories.



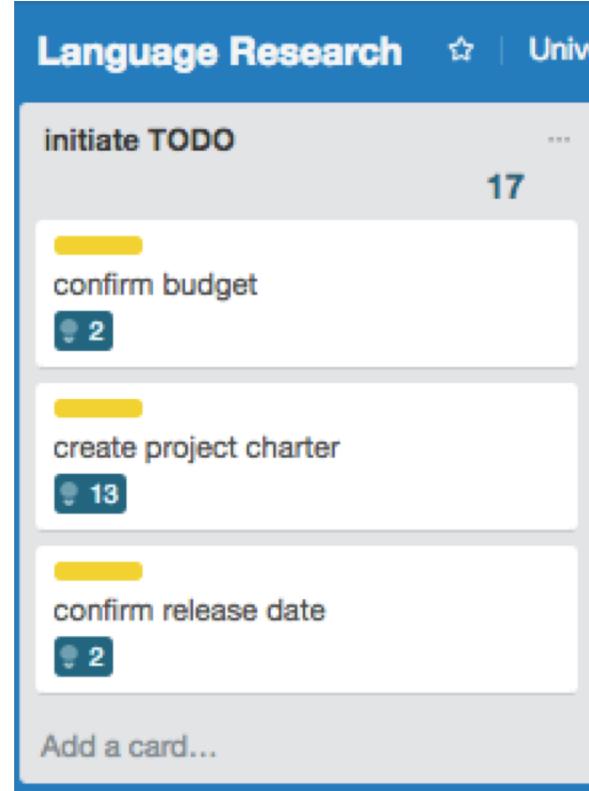


Agile Estimates

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1.

- a. Are these activities epic, feature or low level?
- b. Decompose activities if required.
- c. Add Story Point estimates for each low-level activity.



Language Research

initiate TODO

17

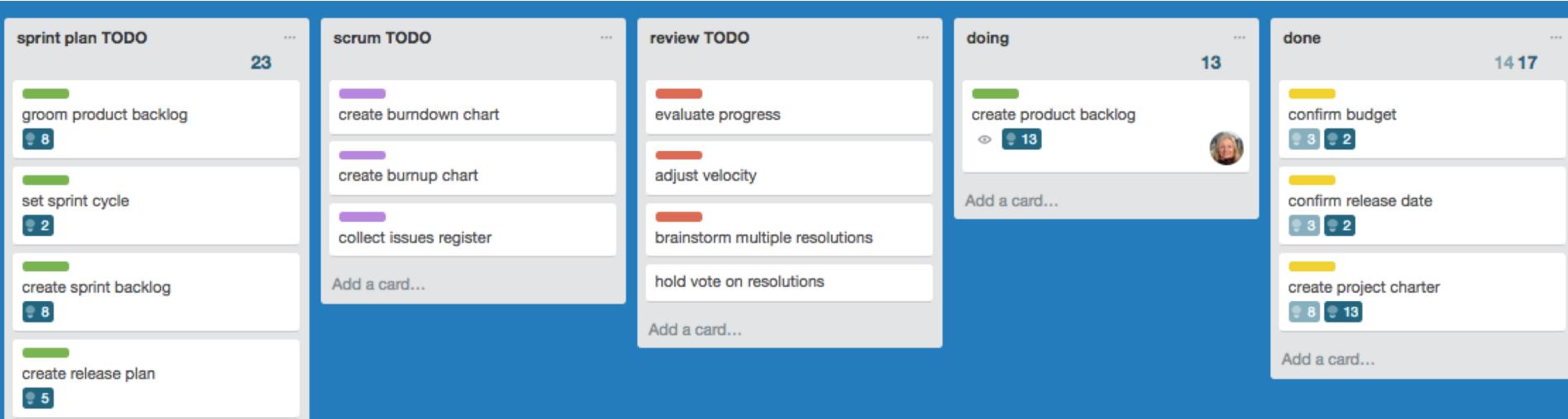
- confirm budget (2)
- create project charter (13)
- confirm release date (2)

Add a card...



2. Consider these User Stories.

- a. What is the Story Point estimation of the current task?
- b. Who is assigned to the current task

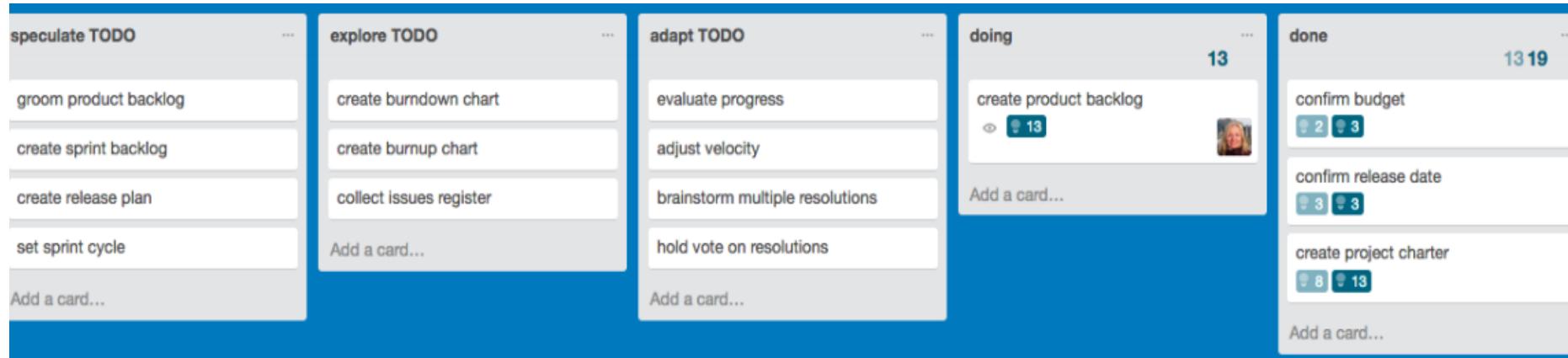




3. Consider these User Stories.

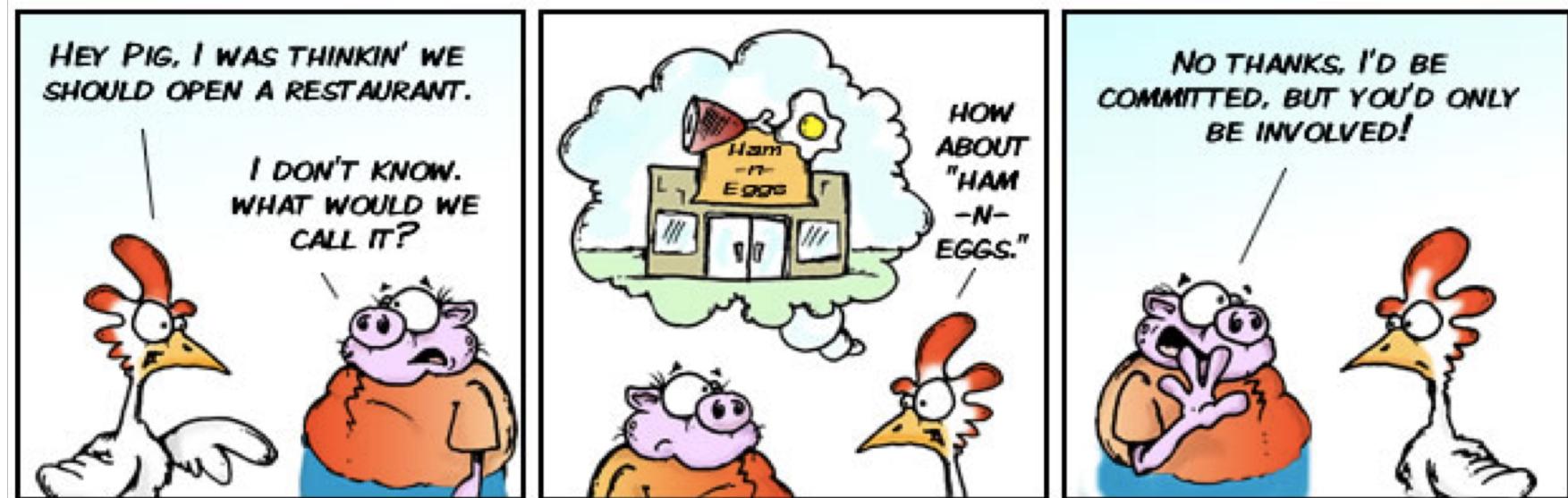
Notice that the previous Initiation tasks are all done.

- What does the 1st number mean on each card in the *done* swimlane?
- What does the 2nd number mean on each card in the *done* swimlane?



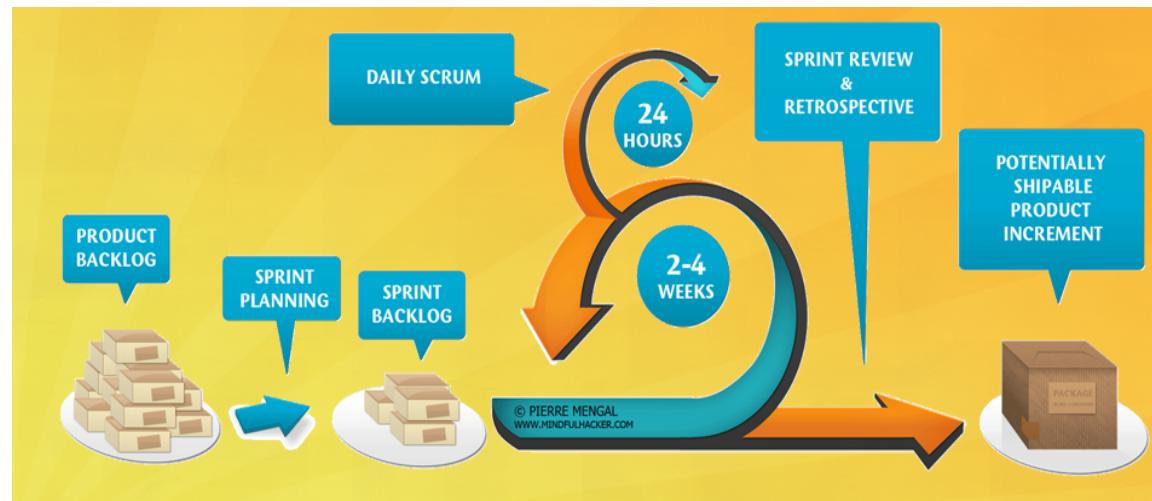


1. What is the Scrum Masters primary responsibility?



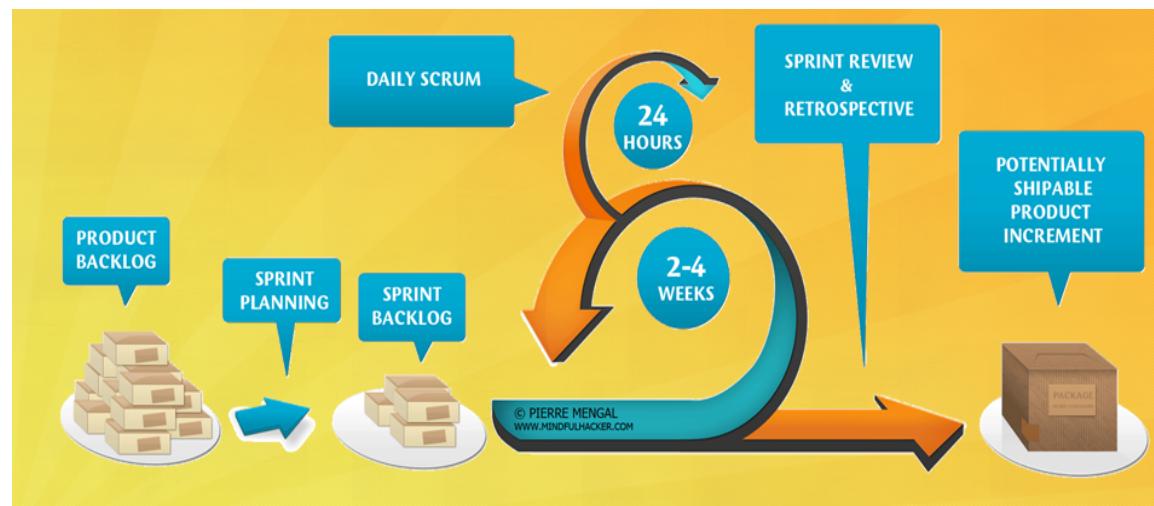


Agile Software Development Life Cycle



1. Identify in which phase the software coding happens





2. Where would you document the minimum features the product increment must have before it can be released

3. In the daily Stand-up meeting:

What THREE questions are answered?

Who talks during the Stand-up meeting?

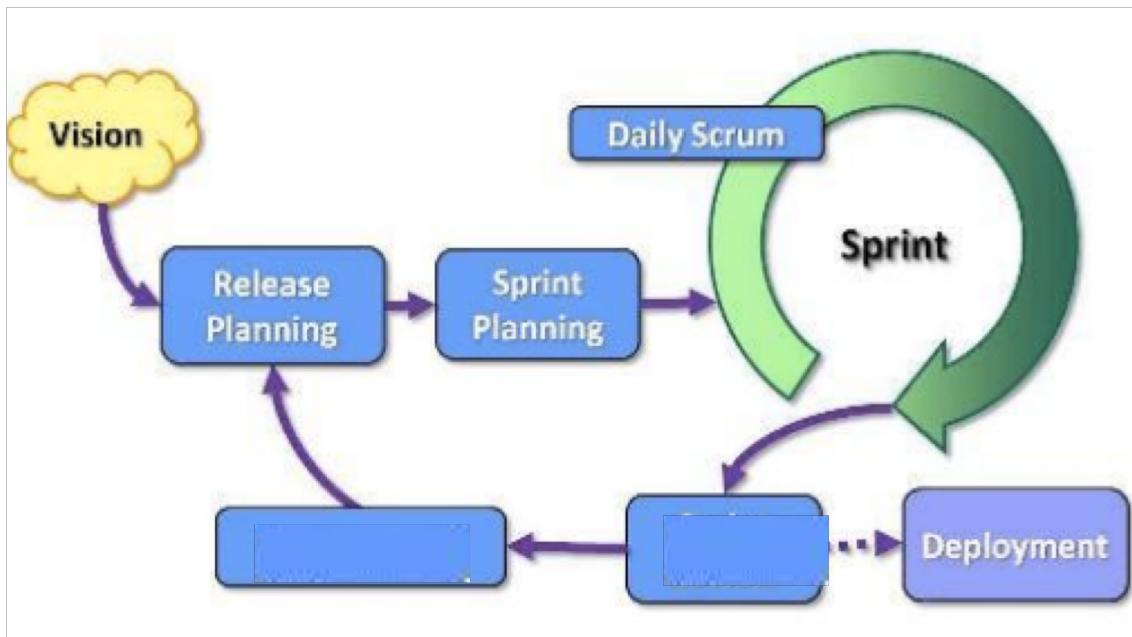


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4. How do you monitor the productivity of the Sprint?



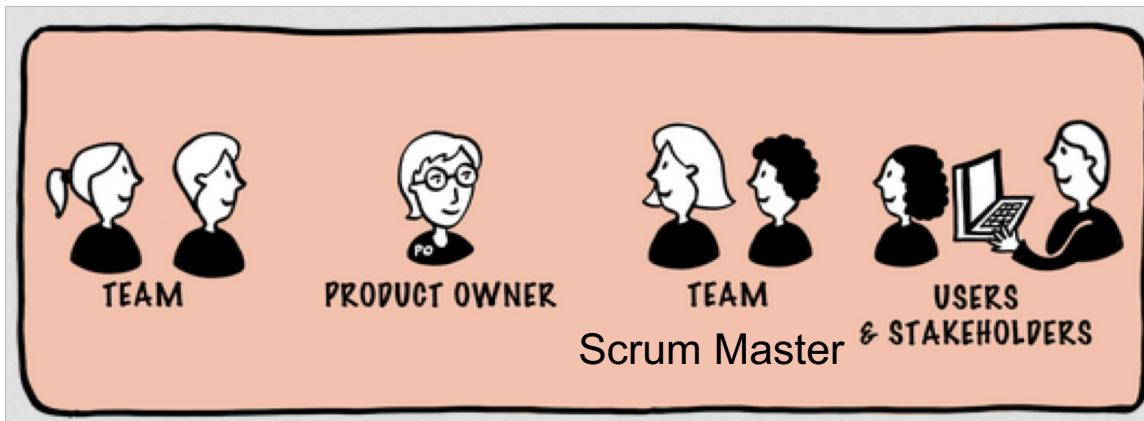
1. In the Adapt phase, what are the meetings called?





2. Inspect and adapt the product

Who is invited to the end of **Sprint Review**?





3. Inspect and adapt the team

Who is invited to the end of **Sprint Retrospective**?





Scrum PM - Release

A team event.

Celebrate
success!

An emotional
time.



Thank You!